Agreement

Concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions*

(Revision 2, including the amendments which entered into force on 16 October 1995)

Addendum 122 – Regulation No. 123

Revision 2 - Amendment 3

Supplement 7 to the 01 series of amendments – Date of entry into force: 8 October 2015

Uniform provisions concerning the approval of adaptive front-lighting systems (AFS) for motor vehicles

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2015/32.

UNITED NATIONS

Annex 4,

Paragraph 1.2.1., amend to read (including the insertion of a new footnote 6):

"1.2.1. Preparation of the test sample

Test mixture

1.2.1.1. For a system or parts thereof with the outside lens in glass, a mixture of water and polluting agent to be applied to the test sample shall be composed of:

9 parts by weight of silica sand with a particle size of 0-100 micro meter;

1 part by weight of vegetable carbon dust produced from beech wood with a particle size of 0-100 micro meter;

0.2 parts by weight of NaCMC; and

5 parts by weight of sodium chloride (pure at 99 per cent);

an appropriate quantity of distilled water with a conductivity of less than 1 µS/m.

1.2.1.2. For a system or parts thereof with the outside lens in plastic material, the mixture of water and polluting agent to be applied to the test sample shall be composed of:

9 parts by weight of silica sand with a particle size of 0-100 micro meter;

1 part by weight of vegetable carbon dust produced from beech wood with a particle size of 0-100 micro meter;

0.2 parts by weight of NaCMC;

5 parts by weight of sodium chloride (pure at 99 per cent);

13 parts by weight of distilled water with a conductivity of less than 1 µS/m; and

2 + 1 parts by weight of surface-actant.6

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6 The tolerance on quantity is due to the necessity of obtaining dirt that correctly spreads out on all types of plastic lens."

Paragraph 1.2.1.3., shall be deleted.

Paragraphs 1.2.1.4. and 1.2.1.5. (former), to renumber as paragraphs 1.2.1.3. and 1.2.1.4.
Annex 11,

**Paragraph 4.2., Table UV**, amend to read:

"Table UV

Values according to "IRPA/INIRC Guidelines on limits of exposure to ultraviolet radiation". Wavelengths (in nanometres) chosen are representative; other values should be interpolated.

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</table>

"**Paragraph 5.2., amend to read:**

"5.2. One module of each type shall be submitted by the applicant with the light source control gear, if applicable, and sufficient instructions.

Suitable thermal management (e.g. heat sink) may be provided, to simulate similar thermal conditions as in the corresponding headlamp application.

Before the test the LED module shall be aged at least for seventy-two hours under the same conditions as in the corresponding headlamp application.

In the case of use of an integrating sphere, the sphere shall have a minimum diameter of one meter, and at least ten times the maximum dimension of the LED module, whichever is the largest. The flux measurements can also be performed by integration using a goniophotometer. The prescriptions in CIE – Publication 84 - 1989, regarding the room temperature, positioning, etc., shall be taken into consideration.

The LED module shall be burned in for approximately one hour in the closed sphere or goniophotometer.

The flux shall be measured after stability has occurred, as explained in paragraph 4.3.1.2. of this annex."